

Quote 1 each

Kim Pierce-HELI TECH

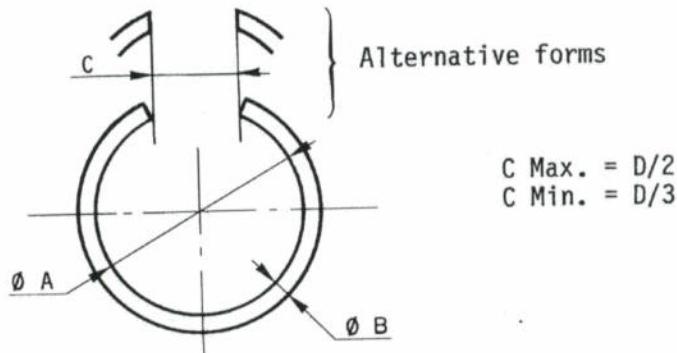
From: "Culbreth, Janet" <Janet.Culbreth@Turbomeca.com>
To: "Kim Pierce-Red Barn Machine, Inc." <sales@redbarn.net>
Sent: Tuesday, April 18, 2006 12:02 PM
Attach: STANDARD.97450.03.EN.pdf; DESSIN TM0887G001 00 Ba.tif; DESSIN TM0887G001 01 B.tif; DESSIN
TM0887G001 01 B (2).tif; DESSIN TM0887G001 02 B.tif; DESSIN.8002841200.001.A.tiff;
DESSIN.8002841200.002.A.tiff; STANDARD.97430.02.EN.pdf
Subject: new quote

Kim please quote one of each of the attached drawings. I have also attached the standards called out. Thank you for your prompt attention to this matter.

I will be sending the engine stand purchase order today for sure.

Janet

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TURBOMECA PART N°	Ø D Nominal	Ring at free state			
		Ø A	tol.	Ø B	tol.
9745004005	4	3.2			
9745005005	5	4.2			
9745006005	6	5.2		0.8	± 0.015
9745007005	7	6.2			
9745008005	8	7.2			
9745010005	10	9.2			
9745012005	12	11		1	
9745014005	14	13			
9745016005	16	14.4		1.6	
9745018005	18	16.4			
9745020005	20	18			
9745022005	22	20			
9745024005	24	22			
9745025005	25	23	± 0.15	2	
9745026005	26	24			
9745028005	28	26			
9745030005	30	28			
9745032005	32	29.5			
9745035005	35	32.5	± 0.2	2.5	± 0.04
9745038005	38	35.5			
9745040005	40	37.5			

- Material : XC 80 (piano wire) $R \geq 1600$ MPa,
no surface treatment (greased for storage).
- Break sharp edges, radii 0.1 to 0.3.
- Ø D nominal = nominal Ø of corresponding shaft or bore.
- Marking type I category MA 12 according to ST 0020.
- Nomenclature entered on part lists : RETAINING RING.
- Do not create part numbers not assigned by this Standard.
- Dimensions of housings : see page 2/2.

Issue 3rd
11.09.85
AE 37018

Issue 2nd
11.07.80
OM 31926

Issue 1st
04.04.60

Red Barn Machine, Inc.

4681 Isabelle St. Eugene, OR 97402
Ph: 541-344-9953 ~ Fax: 541-344-3863

Quote Number: 1959**QUOTE**

Page: 1

Quote To:

Janet Culbreth
TURBOMECA ENGINE CORPORATION
RECEIVING DEPT.
2709 FORUM DRIVE
GRAND PRAIRIE TX 75052

Date: 5/5/2006
Expires: 6/4/2006
Reference:

Sales Person: KIM PIERCE

Line	Part Number	Description	Revision	Drawing
1	TM0887G001	MONTAGE DE SERTISSAGE	Lead Time: 4-6 Weeks <u>Quantity</u> <u>UM</u> 1.00 EA	<u>Unit Price</u> 1,540.58000
2	8002841200	MONTAGE DE SERTISSAGE	Lead Time: 4-6 Weeks <u>Quantity</u> <u>UM</u> 1.00 EA	<u>Unit Price</u> 2,055.33000

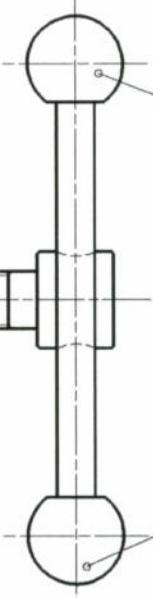
Signed: _____

SHOP COPY

RELEASED FOR PROD
DATE: 5/26/06 INT: 222

A

6
7



- A FONCTION : SERTIR DES INSERTS.

Plan dessiné D.A.O à l'aide du
logiciel :MICROCADD Revision : 6

DESSINE PAR: CEMA - AB LE: 24-03-00	VERIFIE PAR: MESPLEDE	INTERPRETATION DES DESSINS SELON: ST 2100	C
MACHINE/ENGINEER: ARMEL 1	DESIGNATION PIECE/ DESCRIPTION: RONDELLE BLINDAGE	INPIECE / PART NUMBER: 2 292 43 057 0	
DESIGNATION OUTILLAGE MONTAGE DE SERTISSEMENT TOOL NAME			
CE DESSIN EST LA PROPRIETE DE LA SOCIETE TURBOMECA, IL NE PEUT ETRE COMMUNIQUE OU REPRODUIT SANS SON AUTORISATION THIS DRAWING IS THE PROPERTY OF TM AND MAY NOT BE COPIED OR COMMUNICATED WITHOUT EXPRESS AUTHORIZATION			
ECHELLE 1/1	Turbomeca CODE F0228 / MANUFACTURER CODE		
FORMAT A3	PLANCHE SHEET A MESPLEDE DATE:24-03-00		

UTILISER LE REP.3 POUR LA RONDELLE BLINDAGE
N° 2 292 43 057 0 DE L'ARRIEL 1.
UTILISER LE REP.4 POUR LE DIFFUSEUR
N° 0 332 26 716 0 DE L'APS3200.

ZONE DE MARQUAGE DE LA REFERENCE OUTILLAGE.

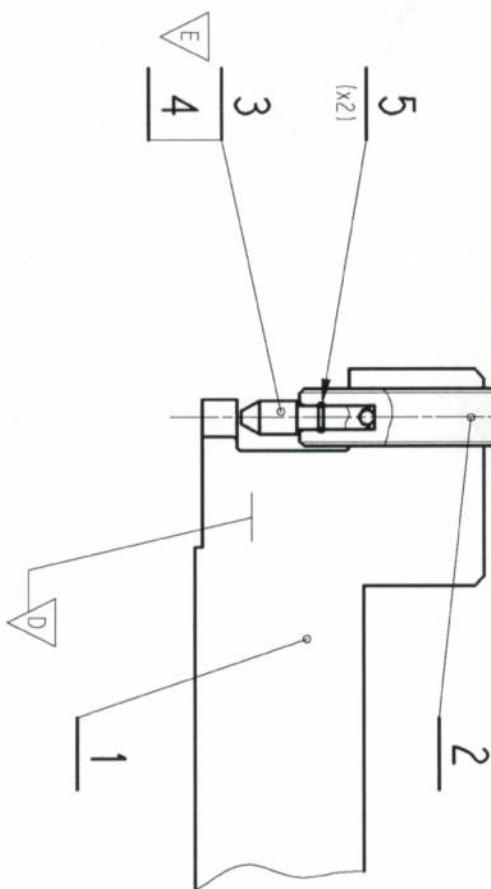
LES COTES ET CRITERES DU PLAN REPERES SONT A
TRANSCRIRE SUR LE "CERTIFICAT DE CONFORMITE".

B PROCESS : -APRES AVOIR POSITIONNER L'INSERT DANS LA PIECE.
LE SERTIR EN VISSANT LE REP.2.

B



C



D

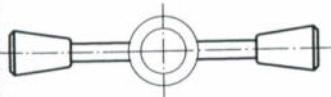
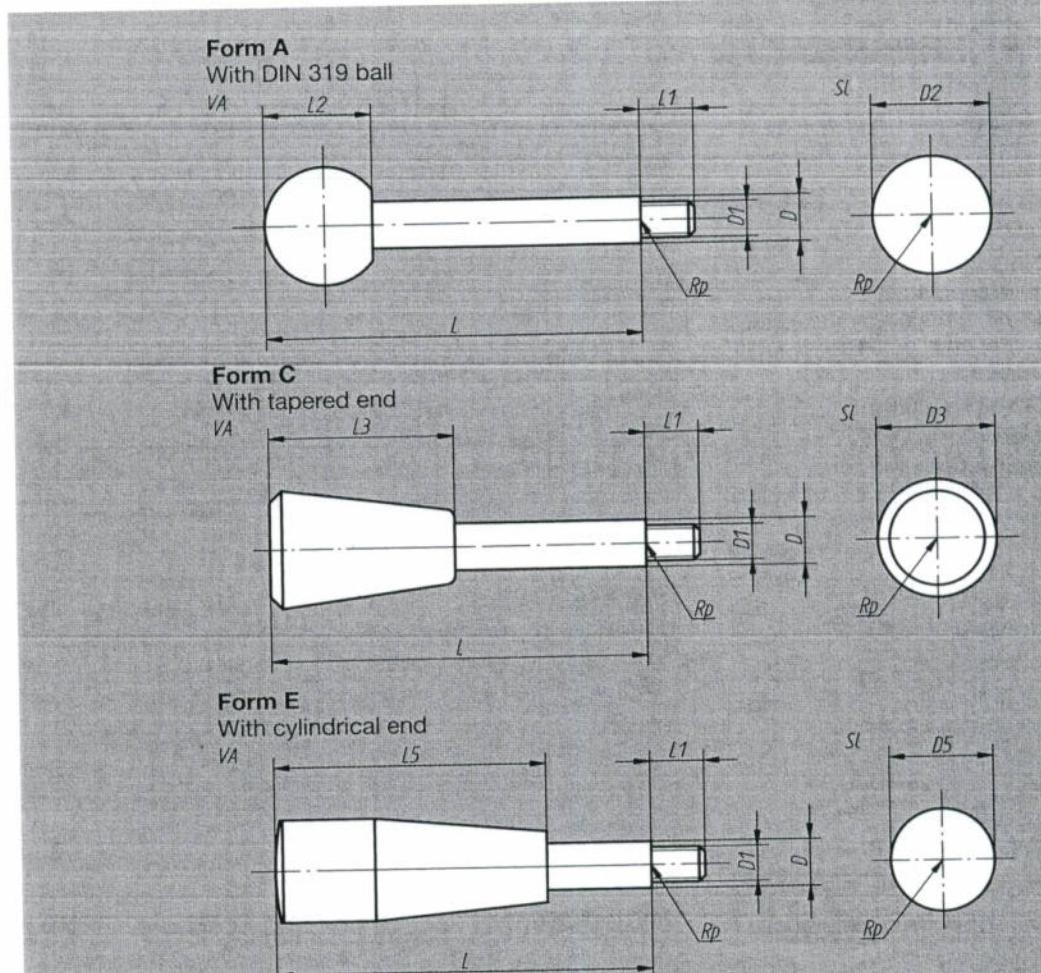
1
2
3
4
5
6

norelem**Handle****nlm****Material:**Turning steel, glossy black PF 31
duroplastic ball.**Finish:**

Glossy finish.

Ordering Example:

NLM 06360-114 x 160.



New part no. Form A	Old part no. Form A	New part no. Form C	New part no. Form E	L	D	D ₁	D ₂	D ₃	D ₅	L ₁	L ₂	L ₃	L ₅
06360-108 x 63	-	06360-308 x 63	06360-508 x 63	63	8	M 6	20	20	17	9	18	30	45
06360-108 x 80	-	06360-308 x 80	06360-508 x 80	80	8	M 6	20	20	17	9	18	30	45
06360-108 x 100	0686080100	06360-308 x 100	06360-508 x 100	100	8	M 6	20	20	17	9	18	30	45
06360-110 x 80	-	06360-310 x 80	06360-510 x 80	80	10	M 8	25	25	23	11	22,5	38	60
06360-110 x 100	-	06360-310 x 100	06360-510 x 100	100	10	M 8	25	25	23	11	22,5	38	60
06360-110 x 125	0686100125	06360-310 x 125	06360-510 x 125	125	10	M 8	25	25	23	11	22,5	38	60
06360-112 x 100	-	06360-312 x 100	06360-512 x 100	100	12	M10	32	30	28	14	29	46	70
06360-112 x 125	-	06360-312 x 125	06360-512 x 125	125	12	M10	32	30	28	14	29	46	70
06360-112 x 160	0686120160	06360-312 x 160	06360-512 x 160	160	12	M10	32	30	28	14	29	46	70
06360-114 x 125	-	06360-314 x 125	06360-514 x 125	125	14	M12	35	35	28	16	32,5	53	70
06360-114 x 160	-	06360-314 x 160	06360-514 x 160	160	14	M12	35	35	28	16	32,5	53	70
06360-114 x 200	0686140200	06360-314 x 200	06360-514 x 200	200	14	M12	35	35	28	16	32,5	53	70
06360-116 x 160	-	06360-316 x 160	06360-516 x 160	160	16	M14	40	35	28	18	37	53	70

LES COTES METRIQUES

100 C 6 Material	\emptyset nominal	Z 100 CD 17 Material
9743010001	1	9743010002
9743015001	1.5	9743015002
9743020001	2	9743020002
9743025001	2.5	9743025002
9743030001	3	9743030002
9743035001	3.5	9743035002
9743040001	4	9743040002
9743045001	4.5	9743045002
9743050001	5	9743050002
9743055001	5.5	9743055002
9743060001	6	9743060002
9743065001	6.5	9743065002
9743070001	7	9743070002
9743075001	7.5	9743075002
9743080001	8	9743080002
9743085001	8.5	9743085002
9743090001	9	9743090002
9743095001	9.5	9743095002
9743100001	10	9743100002
9743105001	10.5	9743105002
9743110001	11	9743110002
9743115001	11.5	9743115002
9743120001	12	9743120002
9743125001	12.5	9743125002
9743130001	13	9743130002
9743140001	14	9743140002
9743150001	15	9743150002
9743160001	16	9743160002
9743170001	17	9743170002
9743180001	18	9743180002
9743190001	19	9743190002
9743200001	20	9743200002

BILLES COTES POUCE
non valables pour études nouvelles

100 C 6 Material	\emptyset nominal	Matière Z 100 CD 17
9743047621	4.762	9743047622
9743063501	6.35	9743063502
9743111121	11.112	9743111122
9743127001	12.7	9743127002
9743142881	14.288	9743142882
9743190501	19.05	9743190502

~~issue 1st
3.4.68~~

issue 2nd 1.9.75
O.M. 26585

ST 9743

sheet
2 / 2

SCOPE :

The aim of this standard is to define the dimensions and the quality level of the balls used to TM.

MAXIMUM DEVIATION BETWEEN NOMINAL AND AVERAGE DIAMETER : * ± 0.0025

SHAPE DEVIATION * : less than 0.0005.

ROUGHNESS * : less than Ra 0.05 microns.

MATERIAL : 100 C 6 (HRc 63 \pm 3) or Z 100 CD 17 (HRc 60 \pm 3)

* DEFINITIONS (according to NF E 22 381)

AVERAGE DIAMETER OF A BALL : Arithmetical average of 10 average diameters defined in 10 random diametral planes each average diameter being the average between the largest and the smallest diameter measured in each diametral plane.

SHAPE DEVIATION : Arithmetical average of the circularity deviations measured in 10 random diametral planes. Circularity deviation is the largest gauge run out for a complete rotation in the diameter plane.

ROUGHNESS : The surface profile variations measured by the average height method : micron value of the standard deviation Ra. The roughness of a ball is the arithmetical average of 10 measurements taken in 10 random diametral planes.

NOTE : This standard only applies to balls used separately. If a mechanism requires the matching of balls the latter shall be defined in compliance with the terms of standard NF E 22 381 (class and grade of balls).

A special code number shall then be given to the set of balls concerned which will be kept together in a same package.

QUOTE TEMPLATE

PART NUMBER: TM0887 POOL

REV.: _____

PART NAME: StrierDATE: 04/21/06

Material:

1.0" X 2 1/2" X 5.0" 4140 Source: 12 ft length

Sawing:

SET-UP: _____

RUN: _____

Manual Lathe

SET-UP: _____

RUN: _____

Manual Mill:

SET-UP: _____

RUN: 4.5 hrs.

Mori SL154-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SL2500-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SV500-CNC Mill:

PROG: _____

SET-UP: _____

RUN: _____

Mori NV5000-CNC Mill

PROG: _____

SET-UP: _____

RUN: _____

CNC MILL MAZAK:

PROG: _____

SET-UP: _____

RUN: _____

FINISHING/DEBURR:

PROG: _____

SET-UP: _____

RUN: _____

QC:

.3 hrs

PROG: _____

SET-UP: _____

FIXTURE/JIG:

PROG: _____

SET-UP: _____

RUN: _____

NOTES:

Allow time for heat treatment 43-47 RC

QUOTE TEMPLATE

PART NUMBER: TH0887 P002

REV.: _____

PART NAME: Vis

DATE: 04/21/06

Material:

7/8" Ø 4140 X 4.0" Longt. Source: VFC

Sawing:

SET-UP: _____

RUN: _____

Manual Lathe

SET-UP: _____

RUN: 4.0 hrs.

Manual Mill:

SET-UP: _____

RUN: _____

Mori SL154-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SL2500-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SV500-CNC Mill:

PROG: _____

SET-UP: _____

RUN: _____

Mori NV5000-CNC Mill

PROG: _____

SET-UP: _____

RUN: _____

CNC MILL MAZAK:

PROG: _____

SET-UP: _____

RUN: _____

FINISHING/DEBURR:

PROG: _____

SET-UP: _____

RUN: _____

QC:

.3 hrs

PROG: _____

SET-UP: _____

FIXTURE/JIG:

PROG: _____

SET-UP: _____

RUN: _____

NOTES: Use ~ mm or Reame
 - allow time for heat treatment 43 to 47 RC
 - item 6 is a big cut.

Micro 00- RR - 030 - 4 .250 dia hole
 (for .040 with groove)

.030 - .031

50.0 \$

QUOTE TEMPLATE

PART NUMBER: TM0887 P004 : 003

REV.: _____

PART NAME: 7 1/8" Pointed.

DATE: 04/21/06

Material:

 $\odot 1\frac{1}{8} \text{ in} \times 3\frac{1}{2} \text{ in}$ (this length makes
Source: 3 ft both parts)

Sawing:

SET-UP: _____

RUN: _____

Manual Lathe

SET-UP: _____

RUN: _____

Manual Mill:

SET-UP: _____

RUN: _____

Mori SL154-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SL2500-CNC Lathe:

PROG: _____

SET-UP: _____

RUN: _____

Mori SV500-CNC Mill:

PROG: _____

SET-UP: _____

RUN: _____

Mori NV5000-CNC Mill

PROG: _____

SET-UP: _____

RUN: _____

CNC MILL MAZAK:

PROG: _____

SET-UP: _____

RUN: _____

FINISHING/DEBURR:

PROG: _____

SET-UP: _____

RUN: _____

QC:

.2 hrs

PROG: _____

SET-UP: _____

FIXTURE/JIG:

PROG: _____

SET-UP: _____

RUN: _____

NOTES:

Run one : one run 5.00 hrs shanks
 1st then clamp on collet to finish part.

allow time for heat treatment.
 GL RC.



QUOTATION



Page 1

QUOTED FOR

HELI TECH INC
EUGENE, OR 97402
ATTN: KIM
FAX: 541-344-3863

SHIP TO

HELI TECH INC
4681 ISABELLE ST
EUGENE, OR 97402

Refer To This Number
When You Place Your Order

If You Need Any Assistance With This Quote,
Contact TOM ULRICH

QUOTE NUMBER	QUOTE DATE	VALID UNTIL	ACCT NUMBER	SHIP VIA	FOB POINT	TERMS
374733	04/27/06	05/12/06	HE0975	PMTSCO TRUCK		1% 10/25 Net 30

QTY ORDERED	DESCRIPTION	ESTIMATED QTY TO SHIP	UM	UNIT PRICE	TOTAL
1	CUT 1.500IN 4-1/2"RD (4.542) 4142 ANLD RTOS	1.0000	CT	19.4400	23.33 19.44
5	CUTS 1.500IN 4-1/2"RD (4.542) 4142 ANLD RTOS	5.0000	CT	14.2540	85.52 71.27
1	BAR 12.667'RL 1" 4140 HR ANLD/N&T PLATE CUT 1.250 INCHES WIDE	55.2281	LB	2.3501	13.00/FT 129.79
1	CUT 144.000IN 5/8"RD 4142 HR ANLD	1.0000	CT	25.3600	30.43/FT 25.36
1	BAR 12.667'RL 1" 4140 HR ANLD/N&T PLATE CUT 2.500 INCHES WIDE	110.4562	LB	1.9360	213.84
1	CUT 144.000IN 7/8"RD 4142 HR ANLD	1.0000	CT	44.4900	4.45/FT 44.49
1	ONLY 36.000IN 5/16"RD 0-1 POLISHED DRILL ROD	1.0000	EA	3.6700	1.47/FT 3.67

228/



PACIFIC MACHINERY AND TOOL STEEL CO.
3445 N.W. LUZON ST.
PORTLAND, OR 97210
226-7656 / 1-800-547-1091 FAX: 503-226-7588

Salesman: JPW Contact: KIM Phone: 541-344-2304 FAX: 541-344-3863

FREIGHT TAX	.00
TOTAL	507.86